

Training and Evaluation Outline Report

Status: Approved

10 Feb 2015

Effective Date: 04 Jan 2017

Task Number: 05-PLT-5001

Task Title: Perform an Initial Infrastructure Assessment

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD1 - This training product has been reviewed by the training developers in coordination with the Fort Leonard Wood, MSCoE foreign disclosure officer. This training product can be used to instruct international military students from all approved countries without restrictions.

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	ATP 3-34.81	ENGINEER RECONNAISSANCE	Yes	Yes
	ATP 5-19 (Change 001 09/08/2014 78 Pages)	RISK MANAGEMENT http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/atp5_19.pdf	Yes	No
	TM 3-34.46	Theater of Operations Electrical Systems	Yes	No
	TM 3-34.70	Plumbing, Pipe Fitting, and Sewerage	Yes	No
	TM 5-811-1	Electric Power Supply and Distribution {AFJMAN 32-1080}	Yes	No

Conditions: The element is directed to perform an initial assessment of critical infrastructure. All assigned personnel and equipment are available. Current intelligence data and existing reconnaissance reports are available from the element's higher headquarters (HQ) S2 Intelligence Section and S3 Operations Section respectively. Augmentation support is available.

Note: The Commander must still determine at what level of training they would want the element to perform. Crawl, walk or run. This can only be determined after consideration as to the units training level. The Commander prior to evaluating an element in the conduct of the task must determine if it will be conducted in a Live, Virtual, or Constructive environment, additionally it must also be determined which condition as described below that the element will conduct the task. The selection made for this task is at a trained level of proficiency. The commander must determine which of the environments below will best suit the unit and the proficiency level at which the unit is. When conducting crawl or walk level training units should not increase the intensity until the unit has achieved the standards and then unit trainers should include variables that increase proficiency in all conditions. Note: The condition statement for this task is written assuming the highest training conditions reflected on the Task Proficiency matrix required for the evaluated unit to receive a "fully trained" (T) rating. Note: Condition terms definitions: Dynamic Operational Environment: Three or more operational and two or more mission variables change during the execution of the assessed task. Operational variables and threat TTPs for assigned counter-tasks change in response to the execution of BLUFOR tasks. Complex Operational Environment: Changes to four or more operational variables impact the chosen friendly COA/mission. Brigade and higher units require all eight operational variables of PMESII-PT to be replicated in varying degrees based on the task being trained. Single threat: Regular, irregular, criminal or terrorist forces are present. Hybrid threat: Diverse and dynamic combination of regular forces, irregular forces, and/or criminal elements all unified to achieve mutually benefiting effects.

This task should not be trained in MOPP 4.

Standards: The element performs an initial infrastructure assessment not later than the time specified in the directive and submits reports to higher HQ in accordance with the unit standing operating procedure (SOP).

Note: Leaders are defined as the Commander, Executive Officer, First Sergeant, Operations Sergeant, Platoon Leaders, Platoon Sergeants, Squad Leaders, and Team Leaders.

Live Fire Required: No

Objective Task Evaluation Criteria Matrix:

Plan and Prepare			Execute						Assess	
Operational Environment			Training Environment (LV/C)	Training/Authorized % of Leaders Present at	% of Soldiers Present at	External Eval	% Performance Measures 'GO'	% Critical Performance Measures 'GO'	% Leader Performance Measures 'GO'	Task Assessment
SQD & PLT										
Dynamic (Single Threat)	Day	IAW unit CATS statement.		>=85%	>=80%	Yes	>=91%	All	>=90%	T
				75-84%			80-90%		80-89%	T-
65-74%				75-79%	65-79%	<All	<=79%	P		
60-64%				60-74%	51-64%			P-		
<=59%				<=59%	<=50%			U		

Remarks: None

Notes: None

Safety Risk: Medium

Task Statements

Cue: None

DANGER

Leaders have an inherent responsibility to conduct Risk Management to ensure the safety of all Soldiers and promote mission accomplishment.

WARNING

Risk management is the Army's primary decision-making process to identify hazards, reduce risk, and prevent both accidental and tactical loss. All Soldiers have the responsibility to learn and understand the risks associated with this task.

CAUTION

Identifying hazards and controlling risks across the full spectrum of Army functions, operations and activities is the responsibility of all Soldiers.

Performance Steps and Measures

NOTE: Assess task proficiency using the task evaluation criteria matrix.

NOTE: Asterisks (*) indicate leader steps; plus signs (+) indicate critical steps.

STEP/MEASURE	GO	NO-GO	N/A
+* 1. The element leader plans the infrastructure reconnaissance.			
+ a. Performs a map reconnaissance of the site.			
(1) Selects routes for movement to and from the site.			
(2) Selects rally points.			
+ b. Arranges for an interpreter to accompany the element to the site.			
+ c. Gathers information on the local population's leadership.			
+ d. Requests augmentation support from higher HQ if necessary.			
+ e. Coordinates a security element to accompany the reconnaissance team(s) if required, based upon size of the area to be reconnoitered, personnel available, and tactical situation.			
+ f. Prioritizes the basic services or categories to assess, based upon the situation, mission, commander's intent, and any extenuating circumstances identified by other military and nongovernmental organization (NGO) units and agencies operating in the area.			
+* 2. The element leader issues an operation order (OPORD).			
+ a. Assigns responsibilities and designates reconnaissance teams.			
Note: The element can develop or use an existing checklist for an initial infrastructure assessment to assist in determining the humanitarian and civic assistance needs.			
+ b. Briefs information requirements for completing the assessments.			
+ c. Designates the movement methods and routes to and from the site.			
+ d. Supervises element rehearsals of actions to take in the event of enemy contact.			
+* 3. The element leader directs the movement to the site.			
+* 4. The element leader observes and records access route conditions.			
+ 5. The sewage team assesses the sewage system, determining the following:			
+ a. Status of the local sewage system.			
+ b. Health and environmental risks resulting from the current sewage system.			
+ c. Additional requirements briefed in the OPORD.			
+ 6. The water team assesses the water distribution system, determining the following:			
+ a. Available potable water sources.			
+ b. Availability of adequate amount of water for continued health improvements and sustenance programs.			
+ c. Additional requirements briefed in the OPORD.			
+ 7. The electrical team assesses the power distribution system, determining the following:			
+ a. Availability of operational power distribution systems or generators.			
+ b. Status of the power transmission infrastructure.			
+ c. Critical facilities such as government offices, schools and hospitals not having power needs met.			
+ d. Additional requirements briefed in the OPORD.			
8. The academics team assesses the academic resources, determining the following:			
a. Percentage of school-age children requiring academic resources.			
b. School buildings in need of repair or rebuilding.			
c. Requirements and availability of teachers.			
d. Additional requirements briefed in the OPORD.			
+ 9. The trash team assesses waste disposal capabilities, determining the following:			
a. Availability of trash disposal service.			
b. Potential hazardous waste streams being generated that may have detrimental impacts on health and the environment.			
c. Ultimate disposal system for trash.			
d. Additional requirements briefed in the OPORD.			
+ 10. The medical team assesses medical services, determining the following:			
a. Availability of medical services.			
b. Existence of emergency service, such as ambulances and hospitals.			
c. Availability of veterinary services.			
+ d. Additional requirements briefed in the OPORD.			
+ 11. The safety team assesses public safety, determining the following:			
+ a. Police services.			
+ b. Fire fighting services.			
+ c. Unexploded ordnance (UXO) or other explosive hazards (EH) issues.			
+ d. Additional requirements briefed in the OPORD.			

+ 12. Designated teams assess other infrastructure considerations, as directed.			
Note: Other infrastructure considerations may include, but are not limited to, roads and railroads, bridges and waterways, airports, housing, religious and cultural institutions and facilities, environmental hazards, and fuel distribution systems.			
+* 13. The individual assessment team leaders submit their assessments to the element leader.			
+ a. Verify that all required information is obtained.			
+ b. Consolidate assessment reports in the prescribed format.			
+* 14. The element leader directs the movement from the site.			
a. Directs the movement to subsequent sites as required by the OPORD.			
b. Directs the team to return to the operating base.			
+* 15. The element leader submits reports to higher HQ.			

TASK PERFORMANCE / EVALUATION SUMMARY BLOCK							
ITERATION	1	2	3	4	5	M	TOTAL
TOTAL PERFORMANCE MEASURES EVALUATED							
TOTAL PERFORMANCE MEASURES GO							
TRAINING STATUS GO/NO-GO							

ITERATION: 1 2 3 4 5 M

COMMANDER/LEADER ASSESSMENT: T P U

Mission(s) supported: None

MOPP 4: Never

MOPP 4 Statement: None

NVG: Sometimes

NVG Statement: None

Prerequisite Collective Task(s): None

Supporting Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	71-CO-5100	Conduct Troop Leading Procedures for Companies	71 - Combined Arms (Collective)	Approved
15.	05-CO-0018	Conduct Report Procedures	05 - Engineers (Collective)	Approved

OPFOR Task(s):

Task Number	Title	Status
71-CO-8502	OPFOR Execute an Ambush	Approved
71-CO-8504	OPFOR Execute a Reconnaissance Attack	Approved

Supporting Individual Task(s):

Step Number	Task Number	Title	Proponent	Status
	052-12K-1000	Test Water System	052 - Engineer (Individual)	Approved
	052-196-3005	Conduct a Road Reconnaissance	052 - Engineer (Individual)	Approved
	052-196-4012	Conduct Platoon Reconnaissance Missions	052 - Engineer (Individual)	Approved
	052-210-1011	Conduct and Infrastructure Assessment	052 - Engineer (Individual)	Approved
	052-210-4012	Analyze Infrastructure Reconnaissance Assessments	052 - Engineer (Individual)	Approved
	052-246-1163	Troubleshoot Malfunctions in Electrical Circuits	052 - Engineer (Individual)	Approved
	052-901-9101	Conduct Troop-Leading Procedures at the Company/Team Level	052 - Engineer (Individual)	Approved
2.	071-326-5626	Prepare an Operation Order (OPORD) at the Company, Platoon, or Squad Level	071 - Infantry (Individual)	Approved

Supporting Drill(s): None

Supported AUTL/UJTL Task(s):

Task ID	Title
ART 1.8	Conduct Reconnaissance
ART 4.1.7.1	Develop Infrastructure

TADSS

TADSS ID	Title	Product Type	Quantity
No TADSS specified			

Equipment (LIN)

LIN	Nomenclature	Qty
No equipment specified		

Materiel Items (NSN)

NSN	LIN	Title	Qty
No materiel items specified			

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to the current Environmental Considerations manual and the current GTA Environmental-related Risk Assessment card. .

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. .